Road-map of hydrogen energy

†1613. SHRI SHREEGOPAL VYAS:
SHRI VINAY KATIYAR:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether a National Hydrogen Energy Road-map has been prepared;

(b) if so, the expenditure likely to be incurred on the research and commercial use of hydrogen energy during the next ten years; and

(c) by when the hydrogen run vehicles are likely to be available in the country?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) Yes, Sir. A National Hydrogen Energy Road Map has been prepared under the guidance of the National Hydrogen Energy Board, set up by the Ministry of New and Renewable Energy. The Road Map has projected an investment requirement of Rs.10,550 crores for research, development and demonstration on different aspects of hydrogen energy technologies for transport and power generation sectors and also for creating the required infrastructure in the country for production, storage, transport and delivery of hydrogen for a period of 10 years from 2007-2008 to 2016-2017. The Road Map has visualized implementation of the hydrogen energy programme in public-private partnership mode.

(c) Hydrogen fuelled vehicles are presently under different stages of research, development and demonstration in the country. Such vehicles are expected to be introduced gradually over the coming years. The National Hydrogen Energy Road Map has envisaged a total of one million hydrogen fuelled vehicles to be on the Indian roads by 2020.

Funds for Uttar Pradesh under RGGVY

1614. SHRI ABU ASIM AZMI: Will the Minister of POWER be pleased to state:

(a) the rural population below the poverty line in Uttar Pradesh which has been provided electricity under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) during the last three years;

(b) the funds allocated to the State Government under this Yojana during the same period, year-wise;

(c) the target fixed for the Eleventh Five Year Plan; and

(d) how far the fixed target is expected to be achieved?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) Uttar Pradesh Government has reported release of 3,15,972 electricity connections to Below Poverty Line (BPL) Households during last three years under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) as on 17.08.2007. Year-wise number of service connections released are given in the Statement-I (*See* below).

†Original notice of the question was received in Hindi.

(b) Funds under RGGVY are released in installments commensurating with the progress reported by the Implementing agencies. There is no provision for State-wise allocation of funds under RGGVY. U.P. State has availed an amount of Rs.2,357.01 crores under RGGVY as on 17.08.2007. Year-wise funds disbursed are presented at Statement-II (*See* below).

(c) and (d) The continuation of RGGVY in the Eleventh Plan has not yet been approved.

Statement-I

Year-wise BPL connections reportedly released in U.P. under RGGVY as on 17.08.2007

Sl. No.	Year	No. of BPL connections released
1	2005-06	4060
2	2006-07	2,51,628
3	2007-08 upto 17.08.07	60,284
	TOTAL:	3,15,972

Statement-II

Year-wise funds released to U.P. under RGGVY as on 17.08.2007

Sl. No.	Year	Amount (Rs. in crore)
1	2004-05*	639.96
2	2005-06	172.64
3	2006-07	1544.41
4	2007-08 upto 17.08.07	0.00
	TOTAL:	2357.01

* Funds were released under Accelerated Electrification of one lakh villages and one crore rural households. which was merged in RGGVY

Use of smart technology

1615. SHRI MAHENDRA MOHAN: Will the Minister of POWER be pleased to state:

(a) whether Government are aware that the use of smart technology like sensors, for switching on or switching off power, can save significant amount of energy;

(b) to what extent the smart technology is being made to be used and encouraged by Government;

(c) whether Government have given any incentives for developing and manufacturing energy efficient equipments; and